



**Maryland Aviation Administration**

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**MARYLAND AVIATION ADMINISTRATION  
CAPITAL PROGRAM SUMMARY  
(\$ MILLIONS)**

	<u>FY 2004</u>	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>SIX-YEAR TOTAL</u>
<b><u>Construction Program</u></b>							
Major Projects	279.8	163.6	47.9	15.9	4.4	4.4	516.0
System Preservation Minor Projects	61.3	65.2	62.3	37.1	29.1	38.7	293.7
<b><u>Development &amp; Evaluation Program</u></b>	<u>1.0</u>	<u>7.2</u>	<u>10.9</u>	<u>1.5</u>	<u>1.5</u>	<u>1.1</u>	<u>23.2</u>
<b>SUBTOTAL</b>	342.1	236.0	121.1	54.5	35.0	44.2	832.9
<b><u>Capital Salaries, Wages &amp; Other Costs</u></b>	<u>5.8</u>	<u>5.6</u>	<u>5.8</u>	<u>6.0</u>	<u>6.2</u>	<u>6.4</u>	<u>35.8</u>
<b>TOTAL</b>	347.9	241.6	126.9	60.5	41.2	50.6	868.7
<b>Special Funds</b>	75.7	70.1	60.7	38.0	31.8	39.0	315.3
<b>Federal Funds</b>	27.9	25.0	28.4	12.8	9.4	11.6	115.1
<b>Other Funding *</b>	244.3	146.5	37.8	9.7	-	-	438.3

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\* Other funding includes Maryland Transportation Authority (MdTA) bond financing; Passenger Facility Charges (PFC's); Customer Facility Charges (CFC's); and Maryland Economic Development Corporation (MEDCO) funds. These funds are included in the total.



**STATUS:** Land acquisition continues. MAA has acquired 249 properties through FY 2003.

**PROJECT:** Noise Zone Land Acquisition Program

**DESCRIPTION:** This program promotes compatible land use around Baltimore Washington International Airport (BWI) through the purchase of residential properties offered voluntarily for sale by owners within designated impacted noise areas.

**JUSTIFICATION:** The Maryland Environmental Noise Act requires the MAA to minimize the impact of aircraft related noise on people living near BWI. The purpose of this program is to purchase, at fair market value, the most severely impacted residential properties within the BWI Airport Noise Zone, consistent with local zoning.

**SMART GROWTH STATUS:**

- ☐ Project Not Location Specific or Location Not Determined  
☒ Project Within PFA ☐ Project Outside PFA; Subject to Exception  
☐ Grandfathered ☐ Exception Approved by BPW/MDOT

**ASSOCIATED IMPROVEMENTS:**

Homeowner Assistance Program -- Line 2

**SIGNIFICANT CHANGE FROM FY 2003 - 08 CTP:** Cost increase of \$3.1 million due to greater than anticipated response from interested property owners in FY 2004.

POTENTIAL FUNDING SOURCE:										
	<input checked="" type="checkbox"/> SPECIAL <input checked="" type="checkbox"/> FEDERAL <input type="checkbox"/> GENERAL <input type="checkbox"/> OTHER									
PHASE	TOTAL ESTIMATED COST (\$000)	EXPEND THRU 2003	CURRENT YEAR 2004	BUDGET YEAR 2005	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
					.....2006.....	.....2007.....	.....2008.....	.....2009.....		
Planning	0	0	0	0	0	0	0	0	0	0
Engineering	49	49	0	0	0	0	0	0	0	0
Right-of-way	36,726	33,437	2,914	375	0	0	0	0	3,289	0
Construction	0	0	0	0	0	0	0	0	0	0
Total	36,775	33,486	2,914	375	0	0	0	0	3,289	0
Federal-Aid	26,318	23,687	2,331	300	0	0	0	0	2,631	0

FEDERAL FUNDING OBLIGATIONS BY YEAR			
PROJECT PHASE	FFY	FUND CATEGORY	FEDERAL FUND AMOUNT
RW	2004	AIP	2,331
RW	2005	AIP	300



**STATUS:** MAA has participated in the soundproofing of 553 properties and sales assistance for 113 homes through FY 2003.

**PROJECT:** Homeowner Assistance Program

**DESCRIPTION:** This voluntary program provides for the mitigation of aircraft noise and improvement of land-use compatibility around BWI. Homeowners may elect to either sell their home, with the State ensuring a fair market value, or have their house soundproofed to reduce interior noise levels. The State receives an aviation easement for each participating property.

**JUSTIFICATION:** This program enhances the environment of neighboring communities by providing noise mitigation for homeowners residing within the BWI Airport Noise Zone starting with the most severely impacted communities.

**SMART GROWTH STATUS:**

- ☐ Project Not Location Specific or Location Not Determined
- ☒ Project Within PFA
- ☐ Project Outside PFA; Subject to Exception
- ☐ Grandfathered
- ☐ Exception Approved by BPW/MDOT

**ASSOCIATED IMPROVEMENTS:**

Noise Zone Land Acquisition Program -- Line 1

**SIGNIFICANT CHANGE FROM FY 2003 - 08 CTP:** Cost increased \$1.3 million due to the addition of FY 2009 funding.

<u>POTENTIAL FUNDING SOURCE:</u>				<input checked="" type="checkbox"/> SPECIAL	<input checked="" type="checkbox"/> FEDERAL	<input type="checkbox"/> GENERAL	<input type="checkbox"/> OTHER			
TOTAL										
PHASE	ESTIMATED	EXPEND	CURRENT	BUDGET	PROJECTED CASH REQUIREMENTS				SIX	BALANCE
	COST	THRU	YEAR	YEAR	FOR PLANNING PURPOSES ONLY				YEAR	TO
	(\$000)	2003	2004	2005	.....2006.....	.....2007.....	.....2008.....	.....2009.....	TOTAL	COMPLETE
Planning	0	0	0	0	0	0	0	0	0	0
Engineering	431	231	80	120	0	0	0	0	200	0
Right-of-way	29,820	18,300	1,920	1,920	1,920	1,920	1,920	1,920	11,520	0
Construction	0	0	0	0	0	0	0	0	0	0
Total	30,251	18,531	2,000	2,040	1,920	1,920	1,920	1,920	11,720	0
Federal-Aid	19,753	11,372	1,440	1,472	1,364	1,364	1,365	1,376	8,381	0

FEDERAL FUNDING OBLIGATIONS BY YEAR			
PROJECT PHASE	FFY	FUND CATEGORY	FEDERAL FUND AMOUNT
RW	2004	AIP	1,376
RW	2005	AIP	1,376
RW	2006	AIP	4,093
RW	2007	AIP	1,376



**STATUS:** Acquisitions continuing.

**PROJECT:** Protective Land Acquisition Program

**DESCRIPTION:** This program provides for the purchase of property in the immediate vicinity of the BWI and Martin State airports to ensure its availability in future years for potential aviation purposes.

**JUSTIFICATION:** This multi-year program would provide the opportunity to protect property for future airport-related facilities, environmental requirements, and to ensure compatible land-use around the airports.

**SMART GROWTH STATUS:**

- ☐ Project Not Location Specific or Location Not Determined  
☒ Project Within PFA  
☐ Grandfathered  
☐ Project Outside PFA; Subject to Exception  
☐ Exception Approved by BPW/MDOT

**ASSOCIATED IMPROVEMENTS:**

None.

**SIGNIFICANT CHANGE FROM FY 2003 - 08 CTP:** Funding reduced \$11.6 million in six year period due to reallocation of funds to other MAA projects.

POTENTIAL FUNDING SOURCE:										
<input checked="" type="checkbox"/> SPECIAL <input type="checkbox"/> FEDERAL <input type="checkbox"/> GENERAL <input type="checkbox"/> OTHER										
PHASE	TOTAL ESTIMATED COST (\$000)	EXPEND THRU 2003	CURRENT YEAR 2004	BUDGET YEAR 2005	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
					.....2006.....	.....2007.....	.....2008.....	.....2009.....		
Planning	0	0	0	0	0	0	0	0	0	0
Engineering	0	0	0	0	0	0	0	0	0	0
Right-of-way	25,558	12,058	1,000	2,500	2,500	2,500	2,500	2,500	13,500	0
Construction	0	0	0	0	0	0	0	0	0	0
Total	25,558	12,058	1,000	2,500	2,500	2,500	2,500	2,500	13,500	0
Federal-Aid	0	0	0	0	0	0	0	0	0	0



**STATUS:** Construction started in FY 2003. Terminal/Concourse A to open in Spring 2005, with reconstruction of portion of Concourse B connector complete in late 2005.

**SIGNIFICANT CHANGE FROM FY 2003 - 08 CTP:** Cost decrease of \$1.3 million due to finalization of financing.

**PROJECT:** New Terminal A/B Expansion at BWI Airport

**DESCRIPTION:** This project provides for the construction of a new 11-gate Terminal/Concourse A and full reconstruction of a portion (4 gates) of Concourse B. Project includes demolition of the existing 3-gates on Concourse A, construction of a new ticketing concourse, security, and concession area, 11 new passenger gates and holdrooms, moving walkways, baggage claim areas on the lower level, and airline operations and support areas. A portion of the existing Concourse B will also be fully reconstructed to include expanded hold rooms, concessions, moving sidewalks, other passenger amenities and airline support space.

**JUSTIFICATION:** Expansion of the Terminal is necessary to accommodate the continued expansion of domestic air service.

**SMART GROWTH STATUS:**

- ☐ Project Not Location Specific or Location Not Determined  
☒ Project Within PFA ☐ Project Outside PFA; Subject to Exception  
☐ Grandfathered ☐ Exception Approved by BPW/MDOT

**ASSOCIATED IMPROVEMENTS:**

15R Parallel Taxiway and Aircraft Parking Ramp -- Line 5  
 Central Utility Plant Expansion and Upgrade of Electrical Substations -- Line 10  
 Terminal Entrance Roadway Improvements, Phase I -- Line 6  
 Terminal Entrance Roadway Improvements, Phase II -- Line 7

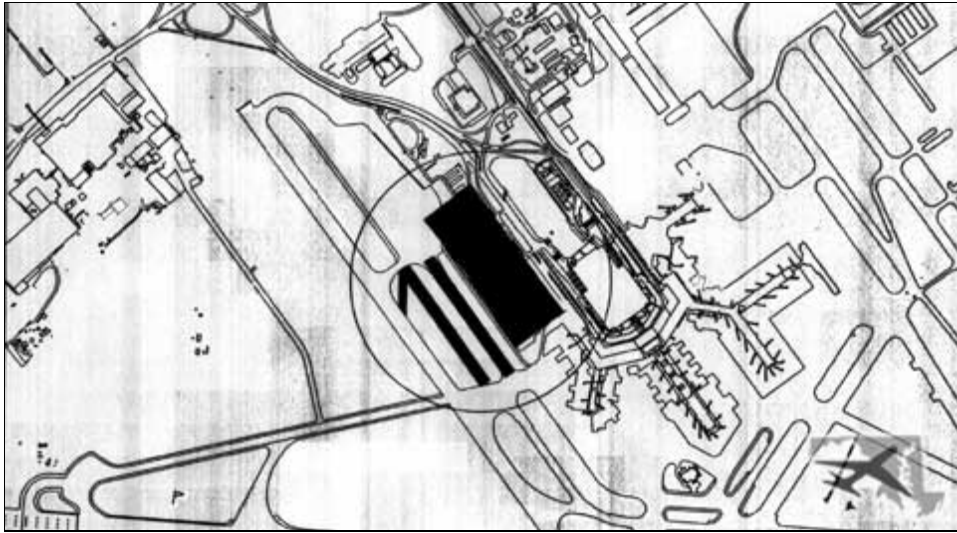
POTENTIAL FUNDING SOURCE:					<input type="checkbox"/> SPECIAL	<input type="checkbox"/> FEDERAL	<input type="checkbox"/> GENERAL	<input checked="" type="checkbox"/> OTHER		
PHASE	TOTAL ESTIMATED COST (\$000)	EXPEND THRU 2003	CURRENT YEAR 2004	BUDGET YEAR 2005	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
					.....2006.....	.....2007.....	.....2008.....	.....2009.....		
Planning	0	0	0	0	0	0	0	0	0	0
Engineering	28,350	22,366	5,984	0	0	0	0	0	5,984	0
Right-of-way	0	0	0	0	0	0	0	0	0	0
Construction	190,291	5,248	90,837	88,926	5,280	0	0	0	185,043	0
Total	218,641	27,614	96,821	88,926	5,280	0	0	0	191,027	0
Federal-Aid	0	0	0	0	0	0	0	0	0	0

**USAGE:** Accommodate projected 210 daily flights.

**OPERATING COST IMPACT:** Operating cost will be recovered through airport user fees.

Other funding is Maryland Economic Development Corporation (MEDCO) and revenue bonds supported by Passenger Facility Charge (PFC).

1120



**STATUS:** Construction underway.

**PROJECT:** 15R Parallel Taxiway and Aircraft Parking Ramp at BWI Airport

**DESCRIPTION:** This project provides for approximately 1,500 feet of taxiway parallel to Runway 15R. The project also provides for the new aircraft parking and deicing ramp adjacent to the new taxiway and immediately north of the new Terminal A/B. The new ramp will also accommodate the new Terminal A/B and will be fitted with a gate deicing collection system.

**JUSTIFICATION:** This project is the final segment to complete a two-way taxiway to the Runway 15R holdblock and threshold. This will improve airport capacity by providing dual aircraft flow to the runway threshold, thereby allowing alternative routing and sorting of departing aircraft. The new ramp will provide sufficient aircraft ramp and parking positions to facilitate the Terminal A/B expansion.

**SMART GROWTH STATUS:**

- ☐ Project Not Location Specific or Location Not Determined  
☒ Project Within PFA ☐ Project Outside PFA; Subject to Exception  
☐ Grandfathered ☐ Exception Approved by BPW/MDOT

**ASSOCIATED IMPROVEMENTS:**

New Terminal A/B Expansion at BWI -- Line 4

**SIGNIFICANT CHANGE FROM FY 2003 - 08 CTP:** Cost decrease of \$1.0 million due to favorable cost changes.

<u>POTENTIAL FUNDING SOURCE:</u>					<input type="checkbox"/> SPECIAL	<input checked="" type="checkbox"/> FEDERAL	<input type="checkbox"/> GENERAL	<input checked="" type="checkbox"/> OTHER		
PHASE	TOTAL ESTIMATED COST (\$000)	EXPEND THRU 2003	CURRENT YEAR 2004	BUDGET YEAR 2005	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
					.....2006.....	.....2007.....	.....2008.....	.....2009.....		
Planning	0	0	0	0	0	0	0	0	0	0
Engineering	2,147	2,070	77	0	0	0	0	0	77	0
Right-of-way	0	0	0	0	0	0	0	0	0	0
Construction	58,098	34,594	14,847	8,657	0	0	0	0	23,504	0
Total	60,245	36,664	14,924	8,657	0	0	0	0	23,581	0
Federal-Aid	38,158	17,755	12,611	7,792	0	0	0	0	20,403	0

**USAGE:** Accommodate projected increase of 50% in passenger levels by 2010.

**OPERATING COST IMPACT:** Operating cost will be recovered through airport user fees.

This project will be reimbursed from Passenger Facility Charge (PFC).

1117



**STATUS:** Construction complete. Access / Return Roadways opened in November 2002 and Upper Level Roadway Extension opened in June 2003.

**PROJECT:** Terminal Entrance Roadway Improvements, Phase I -- Upper Level Roadway Extension and Terminal Access / Return Roadway at BWI Airport

**DESCRIPTION:** This project provides for the construction of a 700 foot extension of the upper level curbside and roadway at the new Terminal A/B. The project also involves construction of a new terminal access/return roadway and configuration of the access roadway traffic markings/signaling.

**JUSTIFICATION:** To address projected upper level roadway capacity and curbside space requirements at the terminal as well as provide direct access between the terminal and new parking facilities. The project will also relieve traffic congestion.

**SMART GROWTH STATUS:**

- ☐ Project Not Location Specific or Location Not Determined  
☒ Project Within PFA ☐ Project Outside PFA; Subject to Exception  
☐ Grandfathered ☐ Exception Approved by BPW/MDOT

**ASSOCIATED IMPROVEMENTS:**

New Terminal A/B Expansion at BWI Airport -- Line 4  
 Terminal Entrance Roadway Improvements - Phase II -- Line 7

**SIGNIFICANT CHANGE FROM FY 2003 - 08 CTP:** Cost increased by \$1.8 million due to finalization of new Terminal A/B requirements.

POTENTIAL FUNDING SOURCE:										
TOTAL										
PHASE	ESTIMATED COST (\$000)	EXPEND THRU 2003	CURRENT YEAR 2004	BUDGET YEAR 2005	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
					.....2006.....	.....2007.....	.....2008.....	.....2009.....		
Planning	0	0	0	0	0	0	0	0	0	0
Engineering	4,556	4,556	0	0	0	0	0	0	0	0
Right-of-way	0	0	0	0	0	0	0	0	0	0
Construction	52,679	49,573	3,106	0	0	0	0	0	3,106	0
Total	57,235	54,129	3,106	0	0	0	0	0	3,106	0
Federal-Aid	0	0	0	0	0	0	0	0	0	0

**USAGE:** Accommodate projected increase of 50% in passenger levels by 2010.

**OPERATING COST IMPACT:** None.

Other funding is revenue bonds supported by a Passenger Facility Charge (PFC) and airport parking revenues.





**STATUS:** Construction underway. Skywalk at Concourse D opened in November 2003 with the Concourse B Skywalk to open in Spring 2004. Roadway work to continue in multiple phases through FY 2007.

**PROJECT:** Terminal Entrance Roadway Improvements, Phase II -- Upper Level Roadway Widening and Pedestrian Overpasses at BWI Airport

**DESCRIPTION:** The project includes new enclosed, elevated pedestrian bridge skywalks with moving walkways from the existing garage to the terminal building at Concourse A, B, and D over the upper level roadway, and moving walkways in the existing parking garage to enhance circulation. The project also widens the upper level roadway to add new public curbside and two new lanes for use by commercial and airport shuttle vehicles. Further, the project includes enhancements to the terminal by replacing the front window to improve circulation plus flooring and aesthetic improvements.

**JUSTIFICATION:** This project is necessary to address projected upper level roadway capacity requirements and terminal circulation. The project will also help relieve traffic congestion.

**SMART GROWTH STATUS:**

- ☐ Project Not Location Specific or Location Not Determined  
☒ Project Within PFA ☐ Project Outside PFA; Subject to Exception  
☐ Grandfathered ☐ Exception Approved by BPW/MDOT

**ASSOCIATED IMPROVEMENTS:**

Terminal Entrance Roadway Improvements, Phase I -- Line 6  
 Central Utility Plant Expansion and Upgrade of Electrical Substation -- Line 10

**SIGNIFICANT CHANGE FROM FY 2003 - 08 CTP:** None.

<u>POTENTIAL FUNDING SOURCE:</u>				<input type="checkbox"/> SPECIAL	<input type="checkbox"/> FEDERAL	<input type="checkbox"/> GENERAL	<input checked="" type="checkbox"/> OTHER			
PHASE	TOTAL ESTIMATED COST (\$000)	EXPEND THRU 2003	CURRENT YEAR 2004	BUDGET YEAR 2005	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
					.....2006.....	.....2007.....	.....2008.....	.....2009.....		
Planning	0	0	0	0	0	0	0	0	0	0
Engineering	9,874	8,790	604	480	0	0	0	0	1,084	0
Right-of-way	0	0	0	0	0	0	0	0	0	0
Construction	171,403	36,372	56,634	36,207	32,486	9,704	0	0	135,031	0
Total	181,277	45,162	57,238	36,687	32,486	9,704	0	0	136,115	0
Federal-Aid	0	0	0	0	0	0	0	0	0	0

**USAGE:** Accommodate projected increase of 50% in passenger levels by 2010.

**OPERATING COST IMPACT:** Operating cost will be recovered through airport user fees.

Other funding is revenue bonds supported by a Passenger Facility Charge (PFC) and airport parking revenue.



**STATUS:** Surface lot complete. Garage construction underway with 3,000 spaces available in November 2002 and 5,500 spaces in November 2003. Upon completion in Winter 2004, there will be a total of 8,400 spaces.

**SIGNIFICANT CHANGE FROM FY 2003 - 08 CTP:** Cost increased by \$2.9 million due to activities associated with the new MDOT property.

**PROJECT:** New Daily Public Parking Garage and Surface Lot at BWI Airport

**DESCRIPTION:** This project provides for construction of an 8,400 space multi-level parking structure off the new Access/Return Roadway including entrance and exit helixes, revenue control plaza, elevators, and SmartPark wayfinding technology. The location of the new parking garage will require the relocation of the MDOT Headquarters building. Funds are included for environmental permits, land acquisition, and roadway improvements for the MDOT building. This project also includes construction of a 1,400 space surface lot at Elm Road and Aviation Boulevard, including a revenue control plaza, access/egress provisions, and shelters.

**JUSTIFICATION:** Provision of adequate parking near the terminal is critical for meeting business and other travelers' needs. This project will also provide needed capacity to replace parking capacity impacted by terminal expansion and airfield improvements.

**SMART GROWTH STATUS:**

- ☐ Project Not Location Specific or Location Not Determined  
☒ Project Within PFA ☐ Project Outside PFA; Subject to Exception  
☐ Grandfathered ☐ Exception Approved by BPW/MDOT

**ASSOCIATED IMPROVEMENTS:**

None.

POTENTIAL FUNDING SOURCE:										
	<input checked="" type="checkbox"/> SPECIAL <input type="checkbox"/> FEDERAL <input type="checkbox"/> GENERAL <input checked="" type="checkbox"/> OTHER									
PHASE	TOTAL ESTIMATED COST (\$000)	EXPEND THRU 2003	CURRENT YEAR 2004	BUDGET YEAR 2005	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
					.....2006.....	.....2007.....	.....2008.....	.....2009.....		
Planning	0	0	0	0	0	0	0	0	0	0
Engineering	7,236	6,333	903	0	0	0	0	0	903	0
Right-of-way	0	0	0	0	0	0	0	0	0	0
Construction	165,347	127,195	38,152	0	0	0	0	0	38,152	0
Total	172,583	133,528	39,055	0	0	0	0	0	39,055	0
Federal-Aid	0	0	0	0	0	0	0	0	0	0

**USAGE:** Accommodate projected increase of 50% in passenger levels by 2010.

**OPERATING COST IMPACT:** Operating cost will be recovered thru airport parking fees.

Other funding is revenue bonds supported by a Passenger Facility Charge (PFC) and airport parking revenue.



**STATUS:** Facility opened December 22, 2003.

**PROJECT:** Consolidated Rental Car Facility at BWI Airport

**DESCRIPTION:** This project provides for a new rental car facility located immediately west of the airport off Stoney Run Road. This site will consolidate rental car activities providing customer service facilities, an expanded area for vehicle ready/return, vehicle service and maintenance facilities, and vehicle storage areas. Shuttle bus service will be provided to the terminal. Project also includes purchase of 25 CNG buses and construction of bus maintenance facility exclusively for the rental car shuttle bus service.

**JUSTIFICATION:** Rental car facilities at BWI have reached capacity and cannot accommodate projected passenger demand. The limited existing ready/return, maintenance and storage facilities are causing a high level of inefficient operations and customer delay. New consolidated facilities will provide adequate space for immediate and future growth.

**SMART GROWTH STATUS:**

- ☐ Project Not Location Specific or Location Not Determined  
☒ Project Within PFA ☐ Project Outside PFA; Subject to Exception  
☐ Grandfathered ☐ Exception Approved by BPW/MDOT

**ASSOCIATED IMPROVEMENTS:**

None.

**SIGNIFICANT CHANGE FROM FY 2003 - 08 CTP:** None.

<u>POTENTIAL FUNDING SOURCE:</u>					<input checked="" type="checkbox"/> SPECIAL	<input type="checkbox"/> FEDERAL	<input type="checkbox"/> GENERAL	<input checked="" type="checkbox"/> OTHER		
PHASE	TOTAL ESTIMATED COST (\$000)	EXPEND THRU 2003	CURRENT YEAR 2004	BUDGET YEAR 2005	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
					.....2006.....	.....2007.....	.....2008.....	.....2009.....		
Planning	0	0	0	0	0	0	0	0	0	0
Engineering	7,162	6,521	641	0	0	0	0	0	641	0
Right-of-way	5,639	5,639	0	0	0	0	0	0	0	0
Construction	119,001	78,073	40,928	0	0	0	0	0	40,928	0
Total	131,802	90,233	41,569	0	0	0	0	0	41,569	0
Federal-Aid	563	0	563	0	0	0	0	0	563	0

**USAGE:** Accommodate projected increase of 50% in passenger levels between 2000 and 2010.

**OPERATING COST IMPACT:** Operating cost will be recovered thru rental car user fees.

Other funding is revenue bonds supported by a Customer Facility Charge (CFC).

1015



**STATUS:** Construction underway. Project completion in Spring 2004.

**PROJECT:** Central Utility Plant Expansion and Upgrade of Electrical Substation at BWI Airport

**DESCRIPTION:** This project provides the further expansion of the Central Utility Plant cooling and heating capacity, and the upgrade of the north and south electrical substation, which are the two main electrical feeders for the airport.

**JUSTIFICATION:** Airport facility expansion requires additional heating/cooling and electrical capacity. Additional capacity is also required for the new conditioned pedestrian skywalks, terminal building expansion and increase load due to increasing facility demand resulting from growth.

**SMART GROWTH STATUS:**

- ☐ Project Not Location Specific or Location Not Determined  
☒ Project Within PFA ☐ Project Outside PFA; Subject to Exception  
☐ Grandfathered ☐ Exception Approved by BPW/MDOT

**ASSOCIATED IMPROVEMENTS:**

Terminal Entrance Roadway Improvements, Phase II -- Line 7  
 New Terminal A/B Expansion -- Line 4

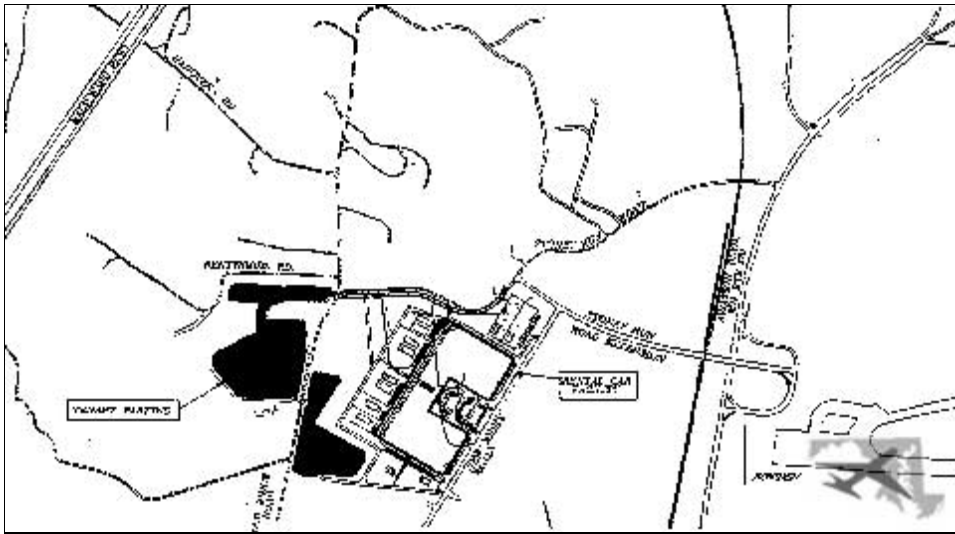
**SIGNIFICANT CHANGE FROM FY 2003 - 08 CTP:** None.

POTENTIAL FUNDING SOURCE: <input type="checkbox"/> SPECIAL <input type="checkbox"/> FEDERAL <input type="checkbox"/> GENERAL <input checked="" type="checkbox"/> OTHER										
PHASE	TOTAL ESTIMATED COST (\$000)	EXPEND THRU 2003	CURRENT YEAR 2004	BUDGET YEAR 2005	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
Planning	0	0	0	0	.....2006.....	.....2007.....	.....2008.....	.....2009.....	0	0
Engineering	1,580	1,367	213	0	0	0	0	0	213	0
Right-of-way	0	0	0	0	0	0	0	0	0	0
Construction	25,037	9,543	15,494	0	0	0	0	0	15,494	0
Total	26,617	10,910	15,707	0	0	0	0	0	15,707	0
Federal-Aid	0	0	0	0	0	0	0	0	0	0

**USAGE:** Accommodate projected increase of over 50% in passenger levels by 2010.

**OPERATING COST IMPACT:** Operating cost will be recovered through airport user fees.

Other funding is revenue bonds supported by airport parking revenues.



**STATUS:** Construction complete. Facility opened in September 2002.

**PROJECT:** New Tenant Parking Facility

**DESCRIPTION:** This project provides for a 3,400 space tenant employee parking facility located off Stoney Run Road, and Ridge Roads immediately west of BWI and adjacent to the new Consolidated Rental Car Facility (CRCF). This site allows for future expansion of tenant parking as needed. Shuttle bus service is provided to the terminal.

**JUSTIFICATION:** The project is required to accommodate the increase in parking for airline and tenant employees as a result of the introduction of new and expanded airline service at BWI.

**SMART GROWTH STATUS:**

- ☐ Project Not Location Specific or Location Not Determined  
☒ Project Within PFA  
☐ Grandfathered  
☐ Project Outside PFA; Subject to Exception  
☐ Exception Approved by BPW/MDOT

**ASSOCIATED IMPROVEMENTS:**

None.

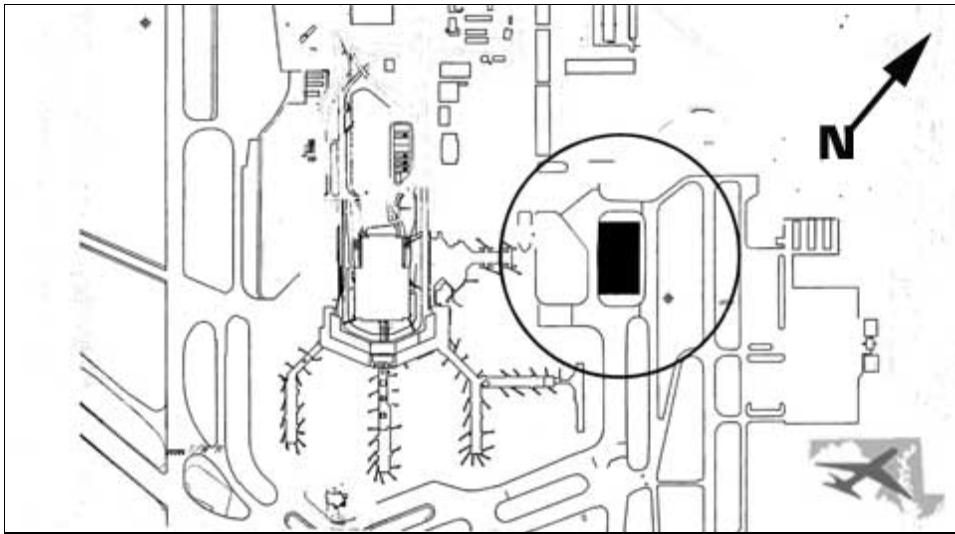
**SIGNIFICANT CHANGE FROM FY 2003 - 08 CTP:** None.

POTENTIAL FUNDING SOURCE:										
TOTAL										
PHASE	ESTIMATED COST (\$000)	EXPEND THRU 2003	CURRENT YEAR 2004	BUDGET YEAR 2005	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
					.....2006.....	.....2007.....	.....2008.....	.....2009.....		
Planning	0	0	0	0	0	0	0	0	0	0
Engineering	1,200	1,200	0	0	0	0	0	0	0	0
Right-of-way	953	953	0	0	0	0	0	0	0	0
Construction	11,644	11,644	0	0	0	0	0	0	0	0
Total	13,797	13,797	0	0	0	0	0	0	0	0
Federal-Aid	0	0	0	0	0	0	0	0	0	0

**USAGE:** Accommodate projected increase of over 50% in passenger levels by 2010.

**OPERATING COST IMPACT:** Operating costs will be recovered thru airport tenant fees.





**STATUS:** Project complete.

**PROJECT:** Remote Aircraft Parking at BWI Airport

**DESCRIPTION:** This project provides for the construction of a new remote aircraft parking ramp to accommodate up to 4 aircraft. The new ramp, easily accessible for the air cargo complex and the north terminal, will be located east of the International Terminal and west of Runway 15L.

**JUSTIFICATION:** Demand for overnight parking of aircraft has surpassed availability. All gates at the terminal are currently occupied overnight with increasing numbers of aircraft parking in more distant and inconvenient runway holdblocks which disrupts airfield operations. Overnight aircraft parking is critical for airline scheduling and securing new flights.

**SMART GROWTH STATUS:**

- ☐ Project Not Location Specific or Location Not Determined  
☒ Project Within PFA ☐ Project Outside PFA; Subject to Exception  
☐ Grandfathered ☐ Exception Approved by BPW/MDOT

**ASSOCIATED IMPROVEMENTS:**

None.

**SIGNIFICANT CHANGE FROM FY 2003 - 08 CTP:** None.

POTENTIAL FUNDING SOURCE:										
<input checked="" type="checkbox"/> SPECIAL <input type="checkbox"/> FEDERAL <input type="checkbox"/> GENERAL <input type="checkbox"/> OTHER										
PHASE	TOTAL ESTIMATED COST (\$000)	EXPEND THRU 2003	CURRENT YEAR 2004	BUDGET YEAR 2005	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
					.....2006.....	.....2007.....	.....2008.....	.....2009.....		
Planning	0	0	0	0	0	0	0	0	0	0
Engineering	234	216	18	0	0	0	0	0	18	0
Right-of-way	0	0	0	0	0	0	0	0	0	0
Construction	2,357	2,147	210	0	0	0	0	0	210	0
Total	2,591	2,363	228	0	0	0	0	0	228	0
Federal-Aid	0	0	0	0	0	0	0	0	0	0

**USAGE:** Accommodate projected increase of 50% in passenger levels by 2010.

**OPERATING COST IMPACT:** Operating costs will be recovered thru airport user fees.



**STATUS:** Installation underway.

**PROJECT:** Full Buildout of Parking Guidance System in Existing Parking Garage at BWI

**DESCRIPTION:** This project will provide for the completion of the installation of the SmartPark parking guidance system in the Hourly Parking Garage, immediately in front of the terminal. The electronic system consists of sensors above each parking space relaying real-time information concerning space availability upon approaching the garage, as well as the number of available spaces on each level and in individual rows.

**JUSTIFICATION:** This system greatly enhances wayfinding for garage customers and allows for greater efficiency and higher capacity in the garage. Typically, parking facilities are closed when they reach 85 percent capacity to ensure availability in a reasonable search time. The precision and efficiency of the new systems allow for 100 percent capacity before the facility is closed.

**SMART GROWTH STATUS:**

- ☐ Project Not Location Specific or Location Not Determined
- ☒ Project Within PFA
- ☐ Project Outside PFA; Subject to Exception
- ☐ Grandfathered
- ☐ Exception Approved by BPW/MDOT

**ASSOCIATED IMPROVEMENTS:**

None.

**SIGNIFICANT CHANGE FROM FY 2003 - 08 CTP:** Construction delayed from FY 2003 to FY 2004 due to procurement issues.

POTENTIAL FUNDING SOURCE:										
TOTAL										
PHASE	ESTIMATED COST (\$000)	EXPEND THRU 2003	CURRENT YEAR 2004	BUDGET YEAR 2005	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
					.....2006.....	.....2007.....	.....2008.....	.....2009.....		
Planning	0	0	0	0	0	0	0	0	0	0
Engineering	0	0	0	0	0	0	0	0	0	0
Right-of-way	0	0	0	0	0	0	0	0	0	0
Construction	3,473	0	3,473	0	0	0	0	0	3,473	0
Total	3,473	0	3,473	0	0	0	0	0	3,473	0
Federal-Aid	0	0	0	0	0	0	0	0	0	0



**STATUS:** Construction underway with completion in Winter 2004.

**PROJECT:** Comprehensive Roadway Sign System at BWI

**DESCRIPTION:** Installation of new standardized roadway guidance and parking signage system for BWI and airport related facilities on major entrance roadways.

**JUSTIFICATION:** The project will provide roadway guide signage incorporating Variable Message Signs (VMS) technologies and new graphic designs into Airport-area signage. This project will provide a method of informing patrons on parking lot availability in advance of key decision points and guiding them with VMS signs to alternate open parking facilities when needed. This project will introduce new graphic design for airport signage that will be unique and easily identified for airport wayfinding to parking and facilities. The project will also incorporate CHART II regional traffic messages for airport users.

**SMART GROWTH STATUS:**

- ☐ Project Not Location Specific or Location Not Determined  
☒ Project Within PFA ☐ Project Outside PFA; Subject to Exception  
☐ Grandfathered ☐ Exception Approved by BPW/MDOT

**ASSOCIATED IMPROVEMENTS:**

None.

**SIGNIFICANT CHANGE FROM FY 2003 - 08 CTP:** None.

POTENTIAL FUNDING SOURCE:										
	<input checked="" type="checkbox"/> SPECIAL <input type="checkbox"/> FEDERAL <input type="checkbox"/> GENERAL <input type="checkbox"/> OTHER									
PHASE	TOTAL ESTIMATED COST (\$000)	EXPEND THRU 2003	CURRENT YEAR 2004	BUDGET YEAR 2005	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
					.....2006.....	.....2007.....	.....2008.....	.....2009.....		
Planning	0	0	0	0	0	0	0	0	0	0
Engineering	134	97	37	0	0	0	0	0	37	0
Right-of-way	0	0	0	0	0	0	0	0	0	0
Construction	4,507	3,310	1,197	0	0	0	0	0	1,197	0
Total	4,641	3,407	1,234	0	0	0	0	0	1,234	0
Federal-Aid	0	0	0	0	0	0	0	0	0	0





**STATUS:** Procurement to begin in FY 2004.

**PROJECT:** New Bus Fleet For Shuttle Services at BWI Airport

**DESCRIPTION:** Purchase of 50 low-floor buses, for Airport shuttle bus services to / from public and employee parking facilities, and BWI Rail Station.

**JUSTIFICATION:** The current shuttle bus fleet is provided by the shuttle bus operations contractor. Maintaining a consistent and reliable fleet is becoming more difficult as the service demands increase. Purchase by the MAA of a new fleet will provide for a uniform and sufficiently sized fleet of energy-efficient vehicles which will improve reliability and reduce operating cost.

**SMART GROWTH STATUS:**

- ☐ Project Not Location Specific or Location Not Determined  
☒ Project Within PFA ☐ Project Outside PFA; Subject to Exception  
☐ Grandfathered ☐ Exception Approved by BPW/MDOT

**ASSOCIATED IMPROVEMENTS:**

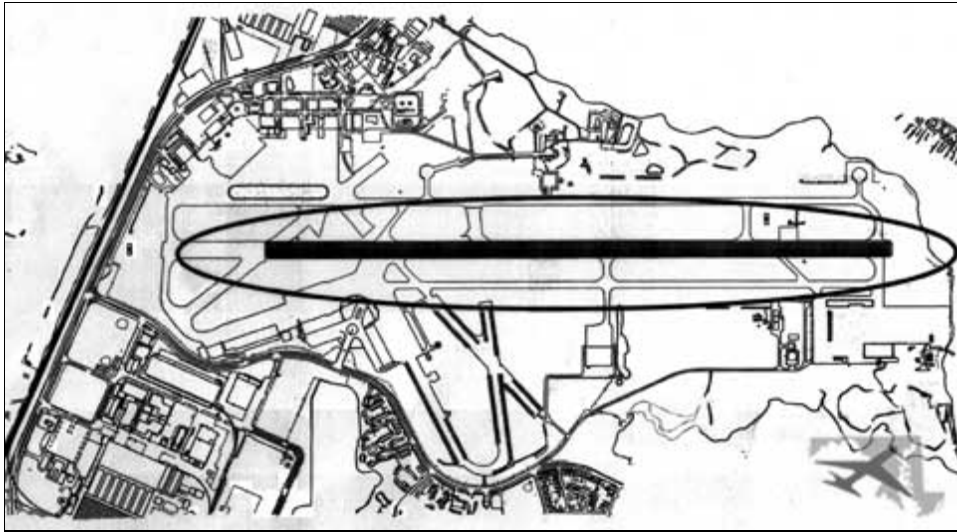
None.

**SIGNIFICANT CHANGE FROM FY 2003 - 08 CTP:** Added to the Construction Program.

POTENTIAL FUNDING SOURCE:										
<input type="checkbox"/> SPECIAL <input type="checkbox"/> FEDERAL <input type="checkbox"/> GENERAL <input checked="" type="checkbox"/> OTHER										
PHASE	TOTAL ESTIMATED COST (\$000)	EXPEND THRU 2003	CURRENT YEAR 2004	BUDGET YEAR 2005	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
					.....2006.....	.....2007.....	.....2008.....	.....2009.....		
Planning	0	0	0	0	0	0	0	0	0	0
Engineering	0	0	0	0	0	0	0	0	0	0
Right-of-way	0	0	0	0	0	0	0	0	0	0
Construction	20,000	0	0	20,000	0	0	0	0	20,000	0
Total	20,000	0	0	20,000	0	0	0	0	20,000	0
Federal-Aid	0	0	0	0	0	0	0	0	0	0

**USAGE:** Over 1000 daily trips carrying over 4 million passengers annually.

**OPERATING COST IMPACT:** Operating costs will be recovered thru airport user fees.



**STATUS:** Following completion of environmental analysis, design will start in FY 2004..

**PROJECT:** Runway 15 / 33 Reconstruction at Martin State Airport

**DESCRIPTION:** This project provides for the reconstruction of the runway at Martin State Airport. Project also includes the construction of a bypass taxiway and exit taxiways.

**JUSTIFICATION:** Reconstruction of the 50+ year-old runway is needed due to continued deterioration beyond normal repairs and maintenance. The parallel taxiway will provide safe and efficient flow of aircraft between the runway and terminal areas. The additional exit taxiways will allow aircraft to exit from the runway safely and efficiently, thus reducing delays.

**SMART GROWTH STATUS:**

- ☐ Project Not Location Specific or Location Not Determined  
☒ Project Within PFA ☐ Project Outside PFA; Subject to Exception  
☐ Grandfathered ☐ Exception Approved by BPW/MDOT

**ASSOCIATED IMPROVEMENTS:**

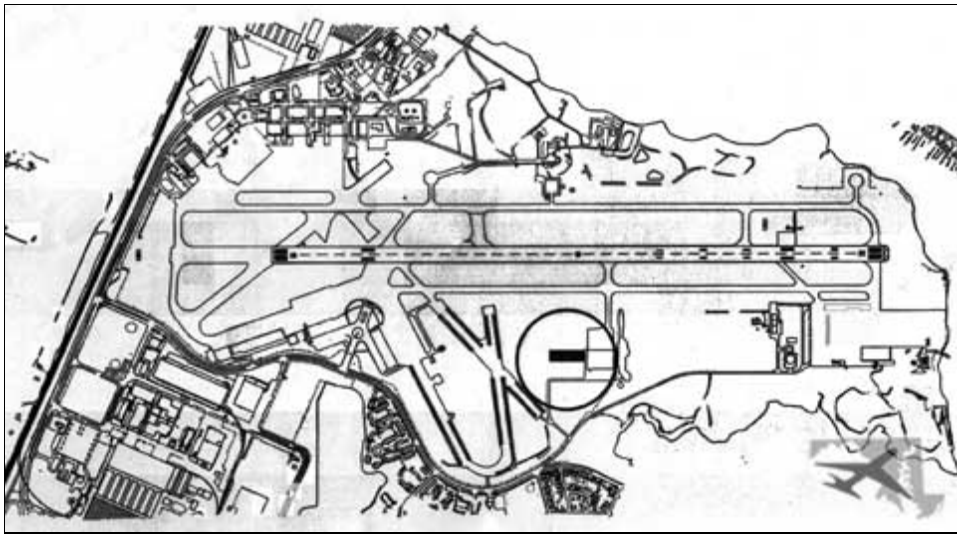
None.

**SIGNIFICANT CHANGE FROM FY 2003 - 08 CTP:** Construction delayed to FY 2005 due to resolution of planning and environmental components with Federal Aviation Administration.

POTENTIAL FUNDING SOURCE:										
	<input checked="" type="checkbox"/> SPECIAL <input checked="" type="checkbox"/> FEDERAL <input type="checkbox"/> GENERAL <input type="checkbox"/> OTHER									
PHASE	TOTAL ESTIMATED COST (\$000)	EXPEND THRU 2003	CURRENT YEAR 2004	BUDGET YEAR 2005	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
					.....2006.....	.....2007.....	.....2008.....	.....2009.....		
Planning	0	0	0	0	0	0	0	0	0	0
Engineering	660	160	237	263	0	0	0	0	500	0
Right-of-way	0	0	0	0	0	0	0	0	0	0
Construction	9,114	0	0	1,626	5,706	1,782	0	0	9,114	0
Total	9,774	160	237	1,889	5,706	1,782	0	0	9,614	0
Federal-Aid	8,203	0	0	1,464	5,135	1,604	0	0	8,203	0

Project schedule is contingent upon the availability of Federal Funds.

1012



**STATUS:** Design to begin in FY 2004.

**PROJECT:** New Air Traffic Control Tower For Martin State Airport

**DESCRIPTION:** This project provides for the construction of a new Air Traffic Control Tower to be located in the midfield complex at Martin State Airport.

**JUSTIFICATION:** A new control tower would provide for greater visibility and more efficient aircraft control in and around Martin State Airport. The existing control tower is over 50 years-old, and has exceeded its useful life.

**SMART GROWTH STATUS:**

- ☐ Project Not Location Specific or Location Not Determined  
☒ Project Within PFA ☐ Project Outside PFA; Subject to Exception  
☐ Grandfathered ☐ Exception Approved by BPW/MDOT

**ASSOCIATED IMPROVEMENTS:**

None.

**SIGNIFICANT CHANGE FROM FY 2003 - 08 CTP:** Construction delayed from FY 2004 to FY 2005 due to further coordination with FAA concerning site selection and environmental analysis.

POTENTIAL FUNDING SOURCE:										
<input checked="" type="checkbox"/> SPECIAL <input checked="" type="checkbox"/> FEDERAL <input type="checkbox"/> GENERAL <input type="checkbox"/> OTHER										
PHASE	TOTAL ESTIMATED COST (\$000)	EXPEND THRU 2003	CURRENT YEAR 2004	BUDGET YEAR 2005	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
					.....2006.....	.....2007.....	.....2008.....	.....2009.....		
Planning	0	0	0	0	0	0	0	0	0	0
Engineering	600	0	150	450	0	0	0	0	600	0
Right-of-way	0	0	0	0	0	0	0	0	0	0
Construction	2,050	0	0	2,031	19	0	0	0	2,050	0
Total	2,650	0	150	2,481	19	0	0	0	2,650	0
Federal-Aid	950	0	0	950	0	0	0	0	950	0



**STATUS:** Planning studies to start in FY 2005.

**PROJECT:** BWI Master Plan and Environmental Studies

**DESCRIPTION:** Study to identify long-term (20-year) projection, location and extent of BWI facility improvements, as required to meet future aviation demand. Study will require in-depth evaluations of many factors, including future air service, runway and terminal capacities, environmental and community impact considerations.

**JUSTIFICATION:** The most recent BWI Master Plan was approved in 1987. Most projects envisioned in the 1987 Plan have been constructed. Future planning and programming is needed to maintain BWI's role in the national aviation system, and to accommodate passenger and airline demand well into the future.

**SMART GROWTH STATUS:**

- ☐ Project Not Location Specific or Location Not Determined  
☒ Project Within PFA ☐ Project Outside PFA; Subject to Exception  
☐ Grandfathered ☐ Exception Approved by BPW/MDOT

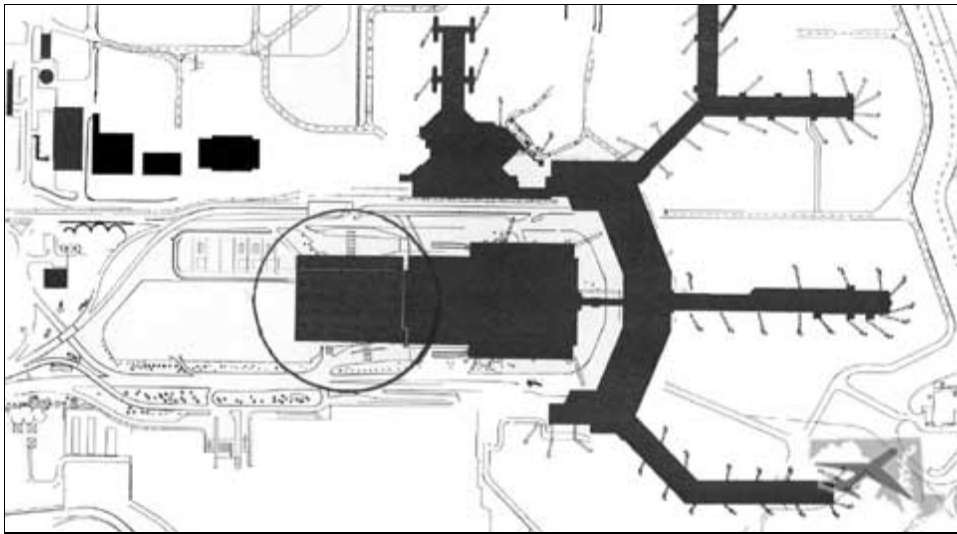
**ASSOCIATED IMPROVEMENTS:**

None.

**SIGNIFICANT CHANGE FROM FY 2003 - 08 CTP:** Planning start deferred to FY 2005 due to further coordination/approval with Federal Aviation Administration and determination to proceed with expanded scope to examine long-term airport-wide BWI facility development.

<u>POTENTIAL FUNDING SOURCE:</u>				<input checked="" type="checkbox"/> SPECIAL	<input checked="" type="checkbox"/> FEDERAL	<input type="checkbox"/> GENERAL	<input type="checkbox"/> OTHER			
PHASE	TOTAL ESTIMATED COST (\$000)	EXPEND THRU 2003	CURRENT YEAR 2004	BUDGET YEAR 2005	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
					.....2006.....	.....2007.....	.....2008.....	.....2009.....		
Planning	4,451	451	0	500	3,500	0	0	0	4,000	0
Engineering	0	0	0	0	0	0	0	0	0	0
Right-of-way	0	0	0	0	0	0	0	0	0	0
Construction	0	0	0	0	0	0	0	0	0	0
Total	4,451	451	0	500	3,500	0	0	0	4,000	0
Federal-Aid	3,600	0	0	375	3,225	0	0	0	3,600	0

FEDERAL FUNDING OBLIGATIONS BY YEAR			
PROJECT PHASE	FFY	FUND CATEGORY	FEDERAL FUND AMOUNT
PP	2004	AIP	1,152
PP	2005	AIP	2,448



**STATUS:** Design to start in FY 2005.

**PROJECT:** Hourly Parking Garage Expansion at BWI Airport

**DESCRIPTION:** This project provides for the preliminary engineering to expand the existing 5,600 space parking garage located in front of the main terminal building with 3,000 additional parking spaces and provisions for other transportation / commercial uses.

**JUSTIFICATION:** Adequate close-in parking and other transportation / commercial services adjacent to the terminal is critical for meeting business and other traveler's needs.

**SMART GROWTH STATUS:**

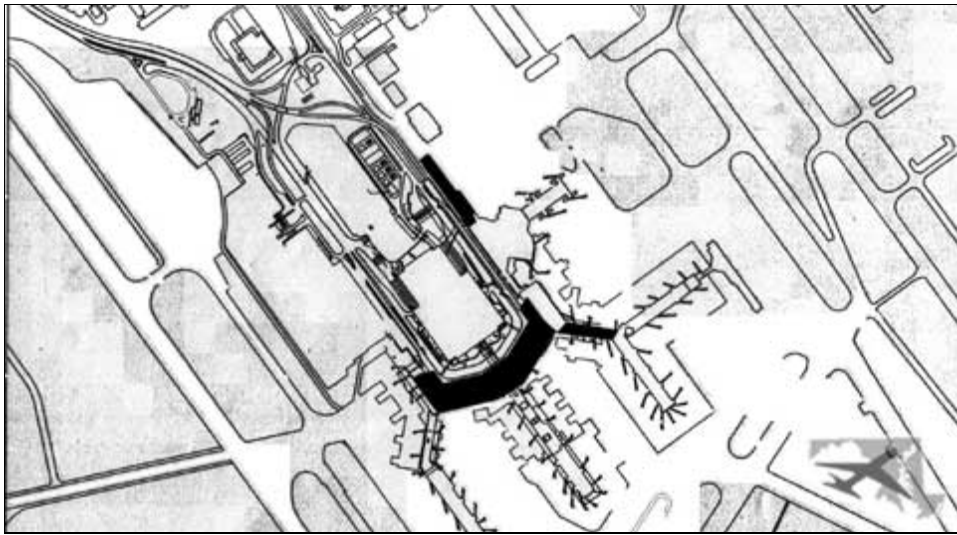
- ☐ Project Not Location Specific or Location Not Determined  
☒ Project Within PFA ☐ Project Outside PFA; Subject to Exception  
☐ Grandfathered ☐ Exception Approved by BPW/MDOT

**ASSOCIATED IMPROVEMENTS:**

None.

**SIGNIFICANT CHANGE FROM FY 2003 - 08 CTP:** Design start delayed from FY 2004 to FY 2005 to better coincide with parking demand projections.

POTENTIAL FUNDING SOURCE:										
<input checked="" type="checkbox"/> SPECIAL <input type="checkbox"/> FEDERAL <input type="checkbox"/> GENERAL <input type="checkbox"/> OTHER										
PHASE	TOTAL ESTIMATED COST (\$000)	EXPEND THRU 2003	CURRENT YEAR 2004	BUDGET YEAR 2005	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
					.....2006.....	.....2007.....	.....2008.....	.....2009.....		
Planning	0	0	0	0	0	0	0	0	0	0
Engineering	3,300	0	0	1,575	1,725	0	0	0	3,300	0
Right-of-way	0	0	0	0	0	0	0	0	0	0
Construction	0	0	0	0	0	0	0	0	0	0
Total	3,300	0	0	1,575	1,725	0	0	0	3,300	0
Federal-Aid	0	0	0	0	0	0	0	0	0	0



**STATUS:** Project planning is underway.

**PROJECT:** Terminal Building Expansion at BWI Airport

**DESCRIPTION:** This project will identify various expansion alternatives for the existing terminal building and address the feasibility and/or cost of each alternative, including potential impacts of new safety/security requirements and other facilities and/or services. Areas to be evaluated, along with preliminary design as warranted, include a new Concourse F, widening of Concourse D, and the possible reconfiguration and expansion of the central terminal for security and circulation/services improvements.

**JUSTIFICATION:** BWI has experienced significant growth with passenger levels projected to increase approximately 50 percent between 2000 and 2010. New federally mandated security requirements are also expected to impact terminal space usage. Undertaking planning and preliminary design at this time will provide MAA with the necessary expansion options to be responsive to passenger, airline and air service needs.

**SMART GROWTH STATUS:**

- ☐ Project Not Location Specific or Location Not Determined  
☒ Project Within PFA ☐ Project Outside PFA; Subject to Exception  
☐ Grandfathered ☐ Exception Approved by BPW/MDOT

**ASSOCIATED IMPROVEMENTS:**

None.

**SIGNIFICANT CHANGE FROM FY 2003 - 08 CTP:** Cost decrease of \$4.8 million due to reallocation of funds to other MAA projects. In addition, cashflow extended into FY 2009 to better reflect timing of terminal capacity needs.

POTENTIAL FUNDING SOURCE:										
	<input checked="" type="checkbox"/> SPECIAL <input checked="" type="checkbox"/> FEDERAL <input type="checkbox"/> GENERAL <input type="checkbox"/> OTHER									
PHASE	TOTAL ESTIMATED COST (\$000)	EXPEND THRU 2003	CURRENT YEAR 2004	BUDGET YEAR 2005	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
					.....2006.....	.....2007.....	.....2008.....	.....2009.....		
Planning	0	0	0	0	0	0	0	0	0	0
Engineering	11,880	2,515	596	2,704	1,964	1,513	1,513	1,075	9,365	0
Right-of-way	0	0	0	0	0	0	0	0	0	0
Construction	0	0	0	0	0	0	0	0	0	0
Total	11,880	2,515	596	2,704	1,964	1,513	1,513	1,075	9,365	0
Federal-Aid	2,500	0	596	1,904	0	0	0	0	2,500	0



**STATUS:** Preliminary planning and environmental analysis to begin in FY 2004.

**PROJECT:** People Mover System, Phase I at BWI Airport

**DESCRIPTION:** The project involves environmental studies and conceptual design for a people mover system at BWI. The proposed Phase I system includes an alignment from the terminal building to the Consolidated Rental Car Facility including the BWI Rail Station and connections to parking facilities. The analysis will include station sites, pedestrian and shuttle bus access, and a system maintenance facility.

**JUSTIFICATION:** The proposed people mover system will provide the necessary additional capacity to address the projected increase in passenger levels and resultant traffic congestion on the terminal roadway system at BWI. A people mover system will allow for better access and traffic management of the multiple modes of transportation serving the airport; private vehicles, shuttle buses, and commercial vehicles. The system will also improve air quality.

**SMART GROWTH STATUS:**

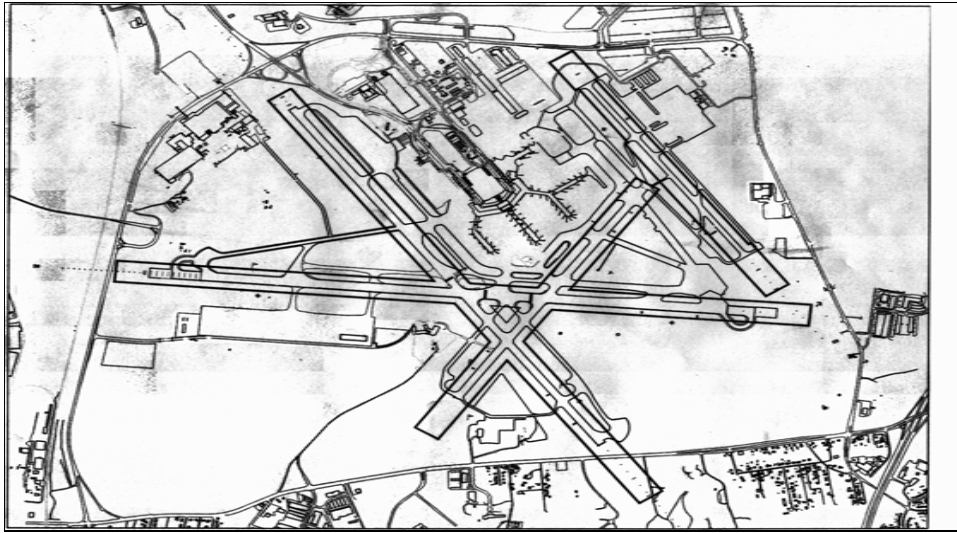
- ☐ Project Not Location Specific or Location Not Determined  
☒ Project Within PFA ☐ Project Outside PFA; Subject to Exception  
☐ Grandfathered ☐ Exception Approved by BPW/MDOT

**ASSOCIATED IMPROVEMENTS:**

None.

**SIGNIFICANT CHANGE FROM FY 2003 - 08 CTP:** Project start delayed from FY 2003 to FY 2004 to address the scope rephasing.

POTENTIAL FUNDING SOURCE: <input checked="" type="checkbox"/> SPECIAL <input type="checkbox"/> FEDERAL <input type="checkbox"/> GENERAL <input type="checkbox"/> OTHER										
PHASE	TOTAL ESTIMATED COST (\$000)	EXPEND THRU 2003	CURRENT YEAR 2004	BUDGET YEAR 2005	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
					.....2006.....	.....2007.....	.....2008.....	.....2009.....		
Planning	2,000	0	200	805	995	0	0	0	2,000	0
Engineering	0	0	0	0	0	0	0	0	0	0
Right-of-way	0	0	0	0	0	0	0	0	0	0
Construction	0	0	0	0	0	0	0	0	0	0
Total	2,000	0	200	805	995	0	0	0	2,000	0
Federal-Aid	0	0	0	0	0	0	0	0	0	0



**STATUS:** Planning study underway as part of system preservation minor projects program. Environmental analysis to begin in FY 2005.

**PROJECT:** Runway Safety Area at BWI

**DESCRIPTION:** This project provides for the study of improvements to bring the Runway Safety Areas (RSA) at both ends of runways at BWI into compliance with current FAA standards.

**JUSTIFICATION:** The RSA is intended to provide an extended level of safety at the end of all runways where overruns, veer-offs and undershoots are more likely to occur. To comply with the FAA's requirements, the MAA will evaluate methods to further enhance RSA's at BWI, and provide a safer operating area.

**SMART GROWTH STATUS:**

- ☐ Project Not Location Specific or Location Not Determined  
☒ Project Within PFA ☐ Project Outside PFA; Subject to Exception  
☐ Grandfathered ☐ Exception Approved by BPW/MDOT

**ASSOCIATED IMPROVEMENTS:**

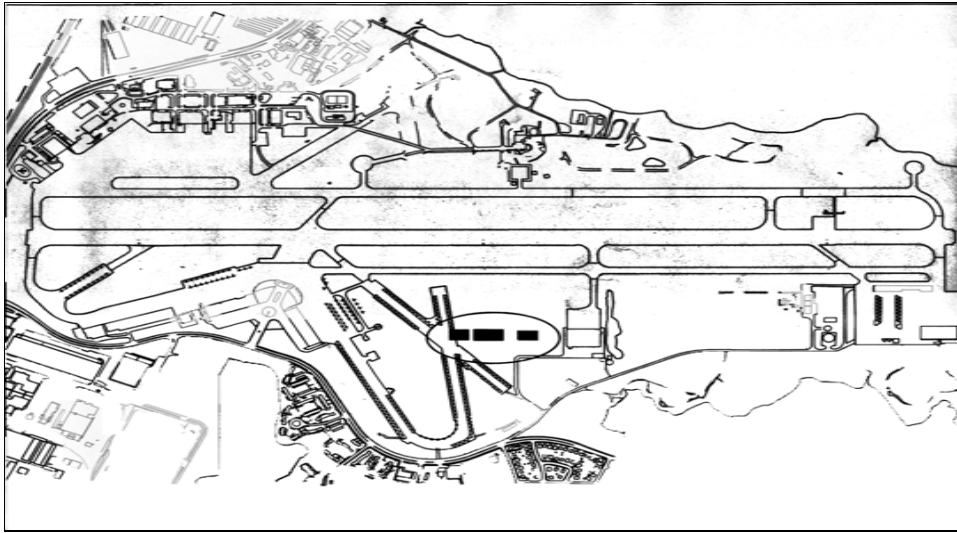
None.

**SIGNIFICANT CHANGE FROM FY 2003 - 08 CTP:** Added to the Development and Evaluation Program.

POTENTIAL FUNDING SOURCE:										
				<input checked="" type="checkbox"/> SPECIAL	<input checked="" type="checkbox"/> FEDERAL	<input type="checkbox"/> GENERAL	<input type="checkbox"/> OTHER			
PHASE	TOTAL ESTIMATED COST (\$000)	EXPEND THRU 2003	CURRENT YEAR 2004	BUDGET YEAR 2005	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
					.....2006.....	.....2007.....	.....2008.....	.....2009.....		
Planning	0	0	0	0	0	0	0	0	0	0
Engineering	4,000	0	0	1,303	2,697	0	0	0	4,000	0
Right-of-way	0	0	0	0	0	0	0	0	0	0
Construction	0	0	0	0	0	0	0	0	0	0
Total	4,000	0	0	1,303	2,697	0	0	0	4,000	0
Federal-Aid	3,000	0	0	978	2,022	0	0	0	3,000	0

FEDERAL FUNDING OBLIGATIONS BY YEAR			
PROJECT PHASE	FFY	FUND CATEGORY	FEDERAL FUND AMOUNT
PE	2004	AIP	3,000





**STATUS:** Design to start in FY 2004.

**PROJECT:** Midfield Complex Aircraft Hangar with Ramp at Martin State Airport

**DESCRIPTION:** Construction of one 20,000 square foot aircraft hangar at Midfield Complex.

**JUSTIFICATION:** Currently there are no accommodations at Martin Airport for heated storage for large airplanes. With the expected growth in traffic, including corporate jets, there will not be enough hangar space to meet the demands. It is essential to build a community hangar that will accommodate and provide heated storage for these aircrafts.

**SMART GROWTH STATUS:**

- ☐ Project Not Location Specific or Location Not Determined  
☒ Project Within PFA ☐ Project Outside PFA; Subject to Exception  
☐ Grandfathered ☐ Exception Approved by BPW/MDOT

**ASSOCIATED IMPROVEMENTS:**

None.

**SIGNIFICANT CHANGE FROM FY 2003 - 08 CTP:** Added to Development and Evaluation Program.

POTENTIAL FUNDING SOURCE:										
<input checked="" type="checkbox"/> SPECIAL <input type="checkbox"/> FEDERAL <input type="checkbox"/> GENERAL <input type="checkbox"/> OTHER										
PHASE	TOTAL ESTIMATED COST (\$000)	EXPEND THRU 2003	CURRENT YEAR 2004	BUDGET YEAR 2005	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
					.....2006.....	.....2007.....	.....2008.....	.....2009.....		
Planning	0	0	0	0	0	0	0	0	0	0
Engineering	500	0	182	273	45	0	0	0	500	0
Right-of-way	0	0	0	0	0	0	0	0	0	0
Construction	0	0	0	0	0	0	0	0	0	0
Total	500	0	182	273	45	0	0	0	500	0
Federal-Aid	0	0	0	0	0	0	0	0	0	0

## SYSTEM PRESERVATION MINOR PROJECTS PROGRAM

### MARYLAND AVIATION ADMINISTRATION - LINE 24

ITEM NO.	DESCRIPTION AND IMPROVEMENT TYPE	TOTAL ESTIMATED COST (\$000's)	CONSTRUCTION START
	<b><u>FY 2004 and Prior</u></b>		
	<b><u>Baltimore/Washington</u></b>		
1	Comprehensive Design - AE 99-008 (1057)	643	Complete
2	Reforestation/Vegetation Mitigation (1063)	43	Complete
3	Comprehensive Environmental Consultant Services (1071)	1,397	Complete
4	Domestic Baggage Belt - Fire Code Compliance (1073)	1,917	Complete
5	Main Terminal HVAC Systems Upgrade (1076)	2,175	Complete
6	Airfield Electrical Vault - Equipment Replacement (1078)	1,472	Complete
7	Stainless Steel Column Covers (1080)	1,133	Complete
8	Replacement/Upgrade of Term. Bldg. Electric Rms., Phase II (1141)	2,054	Complete
9	Surface Movement Guidance and Control Sys. (SMGCS) (1148)	3,837	Complete
10	New Tenant Office Space-N. Terminal UL (1159)	1,446	Complete
11	Airfield Lighting Imp. to R/W 10-28 (1177)	5,252	Complete
12	Passenger Lounge/Club Renovation (1193)	799	Complete
13	Pay-on-Foot Expansion (1299)	345	Complete
14	Security Contractors Temporary Relocation at BW (TSA) (1437)	5	Complete
15	Bridge Inspection (SHA Consultant) (1023)	459	Underway
16	Wetland Mitigation (1024)	950	Underway
17	BWI Sewage System Upgrade (1025)	2,974	Underway
18	Baltimore County Sewer Capital Improvements (1028)	2,726	Underway
19	Comprehensive Construction Mgmt & Inspection -AE98-007 (1048)	1,864	Underway
20	Comprehensive Design Services- AE99-005 (1054)	2,725	Underway
21	Comprehensive Design - AE99-006 (1055)	1,730	Underway
22	Comprehensive Design - AE 99-007 (1056)	350	Underway
23	Comprehensive Planning - FY2000 (1067)	6,892	Underway
24	Comprehensive Commercial Facilities Planning (1085)	1,000	Underway
25	Maintenance Complex Rehab (1086)	2,782	Underway
26	Sawmill Creek Watershed Enhancements (1087)	100	Underway
27	Communication Closet Security Modification (1103)	1,698	Underway
28	Landside Structures Program Management (1115)	536	Underway

## SYSTEM PRESERVATION MINOR PROJECTS PROGRAM

### MARYLAND AVIATION ADMINISTRATION - LINE 24 (cont'd)

ITEM NO.	DESCRIPTION AND IMPROVEMENT TYPE	TOTAL ESTIMATED COST (\$000's)	CONSTRUCTION START
	<b><u>FY 2004 and Prior (cont'd)</u></b>		
	<b><u>Baltimore/Washington (cont'd)</u></b>		
29	Comp. Plan - Runway Safety Areas Study (1123)	348	Underway
30	Terminal Bag Claim & Concourse Ltg Upgrade (1140)	4,036	Underway
31	Elevator Rehab. Program (1152)	954	Underway
32	New Tenant Modifications (1157)	700	Underway
33	MAC Building Renovations (1161)	7,899	Underway
34	Fire Protection Engineer Services (1173)	200	Underway
35	Loading Bridge Replacement (1175)	597	Underway
36	FY2002 Tenant Modifications (1179)	731	Underway
37	Wildlife Management Plan (1181)	435	Underway
38	Environment Consultant -AE02-003 (1183)	2,000	Underway
39	Comprehensive Acoustical Services- SV02-009 (1184)	490	Underway
40	Comprehensive Design Services - AE01-007-010 (1185)	1,517	Underway
41	Comprehensive Planning- AE-01-006/013 (1186)	2,746	Underway
42	Comprehensive Construction Mangement & Inspection Services (1188)	2,940	Underway
43	Long Term Parking Rehabilitation at BWI (1189)	327	Underway
44	Terminal Water Supply Sys Upgrade (1190)	262	Underway
45	Redundant IT Facility/MIS Office Relocation (1222)	1,506	Underway
46	Public Awareness Program (1254)	800	Underway
47	Terminal Bldg Interior Mods/Improvements (1255)	3,780	Underway
48	Comprehensive Paving, 2002 (1257)	2,300	Underway
49	Tenant Mods (1277)	923	Underway
50	Security Initiatives (1298)	1,076	Underway
51	BWI Airport Gate Mgmt. Hardware/Software w/Bi-Directional Integration (1314)	564	Underway
52	Airport Triturator Building Rehab (1317)	714	Underway
53	MAA Airport Technology Master Plan & Strategic Plan (1330)	750	Underway
54	BWI Landscaping (1377)	734	Underway
55	MdTA Police OT-Movement of Traffic (1378)	500	Underway
56	Landside Communication & Security Upgrade, PH II (1380)	390	Underway

## SYSTEM PRESERVATION MINOR PROJECTS PROGRAM

### MARYLAND AVIATION ADMINISTRATION - LINE 24 (cont'd)

ITEM NO.	DESCRIPTION AND IMPROVEMENT TYPE	TOTAL ESTIMATED COST (\$000's)	CONSTRUCTION START
	<b><u>FY 2004 and Prior (cont'd)</u></b>		
	<b><u>Baltimore/Washington (cont'd)</u></b>		
57	Electrical Substation Feeder (1385)	2,100	Underway
58	Canine Facility at BWI Airport (1386)	741	Underway
59	Airfield Pvmt. Mgmt. System Update BWI/MTN (1389)	325	Underway
60	A/E Consultants for Building Permits (1390)	200	Underway
61	Comprehensive Paving at BWI- FY04 (1392)	2,700	Underway
62	Fire Training Pit Water Treatment System Study (1394)	100	Underway
63	Commercial Facilities Planning Consultant (1416)	1,000	Underway
64	Tenant Modifications -FY04 (1417)	925	Underway
65	Terminal Security Checkpoint Modifications (1434)	3,165	Underway
66	Airfield Security Checkpoints (Sec. Booth) Impvmt. (1435)	263	Underway
67	FY04 Terminal Bldg Interior Mods (1447)	3,496	Underway
68	Construction for CUTE in International Terminal (1524)	2,100	Underway
69	Baggage Security Screening System Upgrades (1540)	3,140	Underway
70	Installation of Cable/Conduit for Airfield Lighting (1180)	305	Spring, 2004
71	FRD Office Space (1285)	334	Spring, 2004
72	Apron Lighting Improvement, Ph.I (1286)	835	Spring, 2004
73	Security Center Relocation (1396)	786	Spring, 2004
74	Lockout/Tagout for Airfield Lighting Regulators (1398)	175	Spring, 2004
75	Forced Main Sewer Line Installation - Parallel Line (D) (1407)	1,090	Spring, 2004
76	Power Gate A Access Improvement (1452)	710	Spring, 2004
77	Airline Relocation (1511)	3,933	Spring, 2004
78	Comp. Architectural Engineering Design Services (1324)	3,300	Summer, 2004
79	Comprehensive Environmental Planning (1460)	1,000	Summer, 2004
80	Comprehensive Environmental Compliance Services (1461)	1,250	Summer, 2004
81	Hourly Parking Garage Renovation (1464)	3,640	Summer, 2004

# SYSTEM PRESERVATION MINOR PROJECTS PROGRAM

## MARYLAND AVIATION ADMINISTRATION - LINE 24 (cont'd)

ITEM NO.	DESCRIPTION AND IMPROVEMENT TYPE	TOTAL ESTIMATED COST (\$000's)	CONSTRUCTION START
	<b><u>FY 2004 and Prior (cont'd)</u></b>		
	<b><u>Equipment</u></b>		
81	Snow Equipment Replacement - R/W Broom (1199)	407	Complete
82	Snow Equipment Replacement- Snowblower (1200)	372	Complete
83	New 10cy Capacity Front-end Loader w/ 32' Plow (1202)	299	Complete
84	New 4x4 Dump Truck w/ 22' Plow (1) (1203)	220	Complete
85	One Additional Snowblower (1204)	373	Complete
86	Domestic Terminal Public Address System Upgrade (1256)	1,250	Complete
87	Emergency Call Box Replacement (1512)	350	Complete
88	New 4,000 Gallon De-icer Truck (1201)	164	Underway
89	Replace Crash Truck 433 (1333)	600	Underway
90	Snowblower -1989 Idaho Norland Snow Vehicle Replacement (1341)	446	Underway
91	1989 Snow Blast Snow Vehicle Replacement (1343)	445	Underway
92	Replace 1985 Mack De-Icing Truck (1345)	158	Underway
93	Crash Truck 434 - Replacement (1393)	600	Underway
94	Two Additional Snow Plows-FY04 (1399)	470	Underway
95	Additional Front-End Loader FY04 (1400)	642	Underway
96	Additional Liquid Chemical Tanker-FY04 (1401)	188	Underway
97	Street Sweeper Replacement - FY04 (1403)	129	Underway
	<b><u>Information Technology</u></b>		
98	CUTE for International Terminal Buildout (1244)	2,500	Underway
99	MUFIDS/BIDS Upgrade, Ph I (1335)	2,674	Underway
100	800 Mhz Emergency Digital Trunked Radio System (1334)	3,800	Spring, 2004
	<b><u>Martin State</u></b>		
101	Purchase of MTN Hangar (1136)	832	Complete
102	Fiber Optic Installation for Security (1357)	350	Complete

# SYSTEM PRESERVATION MINOR PROJECTS PROGRAM

## MARYLAND AVIATION ADMINISTRATION - LINE 24 (cont'd)

ITEM NO.	DESCRIPTION AND IMPROVEMENT TYPE	TOTAL ESTIMATED COST (\$000's)	CONSTRUCTION START
	<b><u>FY 2004 and Prior (cont'd)</u></b>		
	<b><u>Martin State (cont'd)</u></b>		
103	Electr. Renovation to Hangar Doors 1-6 (1195)	823	Underway
104	Electrical Switch Gear Upgrades (1360)	619	Underway
105	Environmental Assessment (1411)	250	Underway
106	Obstruction Survey and Removal (1508)	400	Underway
107	Comprehensive Paving Phase II (1092)	1,738	Spring, 2004
108	Purchase New T-Hangars (20) (1198)	500	Spring, 2004
109	Rehab of Plumbing Sys. (1365)	624	Spring, 2004
110	Strawberry Point Lighting (1362)	303	Spring, 2004
111	New Aircraft Hangar with Ramp (1425)	500	Spring, 2004
112	HVAC Upgrade-Maint. Shop, Admin. Bldg. & Hangers 4-6 (1432)	1,279	Spring, 2004
	<b><u>Regional Aviation</u></b>		
113	St. Mary's County Airport (1108)	3,152	Complete
114	Statewide Aviation Grants (AIP-5%) (1105)	750	Underway
115	Aid to Public/Private Airports (MAPA-90%) (1106)	1,000	Underway
116	Regional Aviation Program (1107)	477	Underway
117	Regional Airport Standardization Program (1227)	125	Underway
118	Cambridge/Dorchester County Airport Grant (1234)	977	Underway
119	State Public/Private Heliport-Vertiport System Plan Study (1235)	500	Underway
120	Hagerstown Regional Airport R/W 9-27 Extension (1462)	722	Underway
	<b><u>FY 2005</u></b>		
	<b><u>Baltimore/Washington</u></b>		
121	Maintenance Complex Rehab (1086)	2,017	Summer, 2004
122	Comp. Plan - Runway Safety Areas Study (1123)	173	Summer, 2004

# **SYSTEM PRESERVATION MINOR PROJECTS PROGRAM**

## **MARYLAND AVIATION ADMINISTRATION - LINE 24 (cont'd)**

ITEM NO.	DESCRIPTION AND IMPROVEMENT TYPE	TOTAL ESTIMATED COST (\$000's)	CONSTRUCTION START
	<u><b>FY 2005 (cont'd)</b></u>		
	<u><b>Baltimore/Washington (cont'd)</b></u>		
123	BWI Aerial Survey & Obstruction Removal (1313)	375	Summer, 2004
124	Terminal Loop Emergency Bypass Road (1387)	700	Summer, 2004
125	Terminal Space Frame Lighting (1436)	768	Summer, 2004
126	IT Systems Design Services (1456)	250	Summer, 2004
127	Comprehensive Airport Facilities Planning (1459)	2,450	Summer, 2004
128	B/C Airfield Ramp Regrading (1510)	5,098	Summer, 2004
129	FY05 Comprehensive Paving (1448)	2,000	Fall, 2004
130	FIDS/BIDS Upgrade, Ph II (1455)	1,270	Fall, 2004
131	Lightning Strike Equipment for Airport Electronics (1458)	373	Fall, 2004
132	Inspection of BWI Parking Garage Structures (1463)	200	Fall, 2004
133	Miscellaneous Equipment	425	Fall, 2004
134	Security CCTV Upgrade (1246)	4,264	Spring, 2005
136	Airfield Ramp Concrete Slabs & Joints Rehab. (1311)	800	Spring, 2005
137	Airfield Pvmnt. Rehab 2005 (1312)	1,567	Spring, 2005
138	Additional Glycol Collection Tank (1318)	780	Spring, 2005
139	CNG Fueling Station (1431)	1,000	Spring, 2005
140	New Triturator Near Concourse A (1439)	815	Spring, 2005
141	Landside Operations Center (1446)	492	Spring, 2005
142	Sanitary Sewer Main Rehab, Ph II (1453)	2,555	Spring, 2005
143	Fire Training Facility Conversion (1454)	3,900	Spring, 2005
144	FY05 Tenant Modifications (1457)	770	Spring, 2005
145	Airfield Concrete Structure & Drain Replacement (1465)	2,125	Spring, 2005
	<u><b>Equipment</b></u>		
146	4X4 Dump Trucks w/ 22' plow- 3 Addtl Snow Vehicles (1221)	1,200	Summer, 2004
147	Three Additional Snowblowers (1224)	1,215	Summer, 2004
148	Two Additional Liquid Chemical Trucks- Snow Removal (1230)	376	Summer, 2004

# **SYSTEM PRESERVATION MINOR PROJECTS PROGRAM**

## **MARYLAND AVIATION ADMINISTRATION - LINE 24 (cont'd)**

ITEM NO.	DESCRIPTION AND IMPROVEMENT TYPE	TOTAL ESTIMATED COST (\$000's)	CONSTRUCTION START
	<b><u>FY 2005 (cont'd)</u></b>		
	<b><u>Equipment (cont'd)</u></b>		
149	Additional Solid Chemical Truck- Snow Removal (1231)	180	Summer, 2004
150	Seven Runway Brooms- Snow Removal (1349)	2,800	Summer, 2004
151	One Additional Snow Melter -FY04 (1402)	733	Summer, 2004
152	2000 Gallon Fuel Tanker - Replacement (1440)	126	Fall, 2004
153	Replace 5 Ton Tow Truck (1442)	126	Fall, 2004
154	Galion Grader - Replacement Equipment (1443)	168	Fall, 2004
155	4 x 4 Dump Truck - 6 Additional Snow Vehicles (1444)	1,422	Fall, 2004
156	Three Hydraulic "V" Box Spreader Trucks for Snow (1445)	570	Fall, 2004
	<b><u>Martin State</u></b>		
157	Fire Hydrant Repl/Connection to Airport Water Supply for Fire Suppression Sys. at MTN (1433)	675	Summer, 2004
	<b><u>Regional Aviation</u></b>		
158	Statewide Aviation Grants (AIP-5%) (1105)	750	Summer, 2004
159	Aid to Public/Private Airports (MAPA-90%) (1106)	1,000	Summer, 2004
160	Regional Aviation Program (1107)	225	Summer, 2004
161	Regional Airport Standardization Program (1227)	125	Summer, 2004